ABSTRACT

An object of the present invention is to ensure the miniaturization, strength, durability, load-carrying capacity, and an operating angle of a constant velocity universal joint. Six balls 3 are disposed in the constant velocity universal joint. The ratio r1 (= PCD_{BALL}/D_{BALL}) between the pitch circle diameter PCD_{BALL} ($PCD_{BALL} = 2 \times PCR$) of the ball 3 and the diameter D_{BALL} thereof is set in a range of $1.5 \leqq r1 \leqq 4.0$. The ratio r2 (= D_{OUTER}/PCD_{SERR}) between the outside diameter D_{OUTER} of an outer member 1 and the pitch circle diameter PCD_{SERR} of serrations (or splines) 2d of an inner joint member 2 is set in a range of $3.0 \leqq r2 \leqq 5.0$.